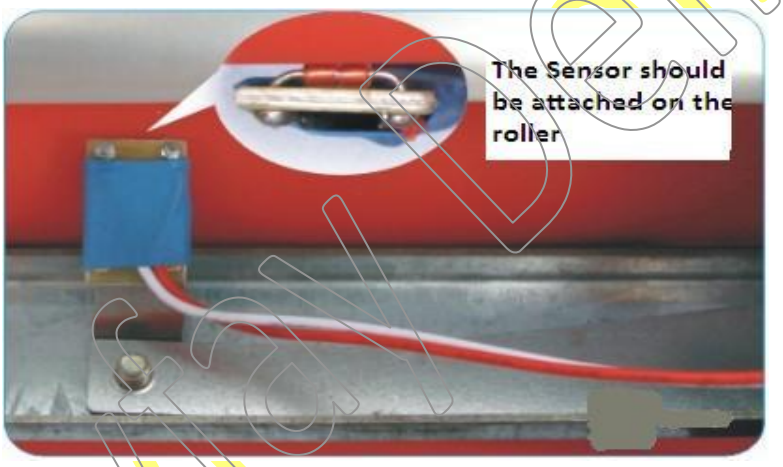
Laminating Machine User Manual

Cautions:

1. Please test your empty machine first after you received it. Plug in the power wire and turn on the machine, then test all the functions on the control panel. If the machine cannot work properly or after 3 minutes 80 °C preheating and the green light does not turn on, please press the cold button, turn off the machine and contact us for help.

2. Please finish reading our user manual first and get familiar with all the machine parts before using it.

3. Inspect the temperature control sensor before using it and make sure it is attached on the roller surface to ensure the precise temperature control (Turn the machine 90 degrees backward and you will find the temperature sensor under the roller). Power off the machine to adjust the temperature control sensor position.



Warning: Temperature sensor failure may cause machine parts damages or even fire, therefore unguarded heating is prohibited (the machine should in cold mode while unguarded).

Sensor Failure Features:

A. Green light does not turn on after 3 minutes of 80°C preheating.
B. Roller rotates and the predeposited membrane deforms while temperature is set up normally, and the green light does not turn on.
C. If the sensor failure happens, please press the cold button immediately and contact us.

4. Our machine is suitable for predeposited membrane of glue inside towards core. Max laminating size: 22cm (laminator 8230), 33cm (laminator 8350), 44cm (laminator 8460). Membrane roll max inner diameter is 2.54cm and max diameter is 9.5cm.

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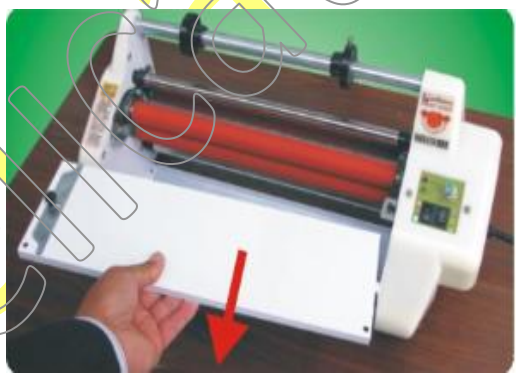
5. Machine maintenance
   A. Keep voltage stable with a regulator.
   B. Place the machine on a fixed platform, and clean the machine with towels after power off.
6. Single side laminating method.
   A. Only one membrane (not recommended). It has to make sure that the predeposited membrane size is smaller than the paper size; otherwise the membrane fringe may stick to the roller.
   B. Two papers laminating together (recommended). Two papers or photos back to back laminating is more efficient and safe.

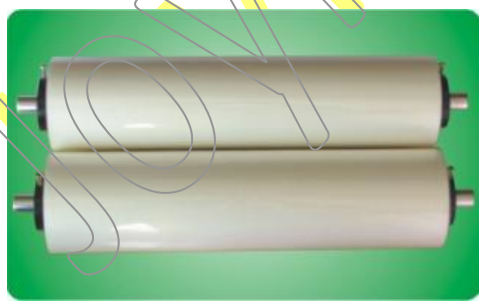
Install Predeposited Membrane



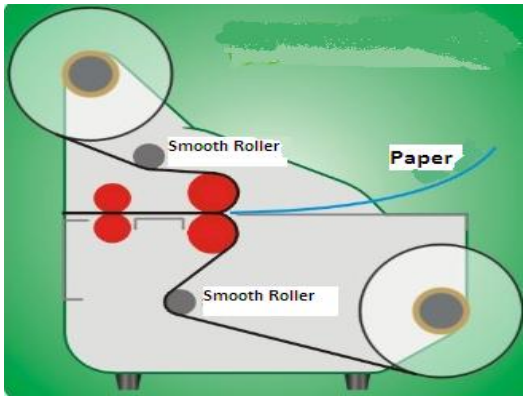
Loosen the screw on the paper-in platform and take off the paper-in platform.
Push the two rollers left and then take them out.
Then prepare to install the predeposited Membrane

Install predeposited membrane:

Put the predeposited membrane through the roller and place them in the middle. Use a screwdriver to tighten the locator screws (Not too tight, otherwise it may cause deformation of the roller).



As the picture shows, the two roller needs to be align with each other, and it will reduce misplacement phenomenon effectively.



Our laminator has to use predeposited membrane of Glue forward the roll core.
When winding the membrane, the predeposited membrane has to pass the smooth roller In case of any lamination creases.

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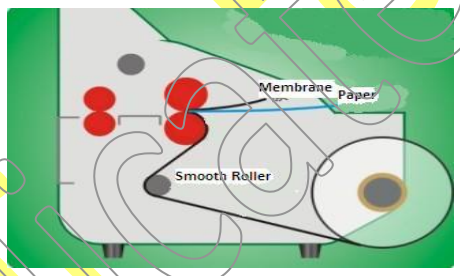
The, prepare tow paper sheet, 210x99mm for laminator 8230, 297x105mm for laminator 7350 or 420x99mm for laminator 8460.

Install the Lower Membrane



Switch on the machine power, set cold button and stop mode.

Read the right diagram of lower membrane installation, the membrane glue side forwards the roller. It will pass through the smooth roller and goes to the glue roller.

Find the glue side of the predeposited membrane first (the side forwards the roll core).

Follow the left diagram steps, and the glue side of the membrane should be forwards the roller. Align the right side of the membrane tube to the hole and the roll will get on the tube.

Take out the membrane head out with one hand, and catch the head form the back bottom of the laminator with another hand. Pass the membrane head through the smooth roller as the left picture shows.

Pull several centimeters membrane on the upper glue roller and install the paper-in platform.

Use the paper sheet to hold against the membrane head, and the tension of the paper tow side should be balanced. Align it to the seam of the upper roller and the lower roller. Press the Enter button and the paper sheet will pass together with the membrane. When the paper appears from the back of the laminator, press Stop button to stop.

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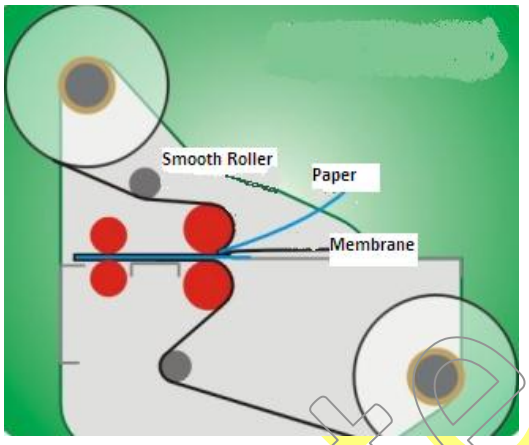
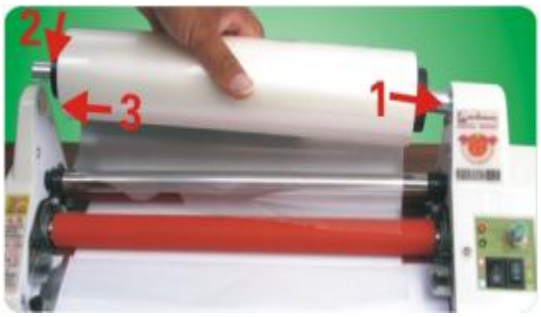
Install the Upper Membrane



Read the right diagram of the upper membrane installation carefully. The glue side should forwards the roll core and pass the membrane through the smooth roller first and them into the glue roller.



Recognize the glue side of the predeposited membrane first and pay attention that the glue side should forward the lower part of glue roller. As the left picture shows, install the membrane roll into the membrane tube.

Pass the upper membrane through the smooth roller and pull it out. As the right diagram shows, take out the paper sheet .Use the paper sheet to hold against the membrane head, and the tension of the paper tow side should be balanced. Align it to the seam of the upper roller and the lower roller. Press the Enter button and the paper sheet will pass together with the membrane. When the paper appears from the back of the laminator, press Stop button to stop.

If all the above procedures finished, we can then prepare to laminate. Laminating procedures as follows:

1. **Preheating**: Switch the power on and set Stop—Hot—80°C mode, and the machine will be in the preheating status.
2. **Laminating:** The OK green light will turn on in about 4 minutes and the preheating procedure is finished. Put the first paper into the paper-in platform and press the ENTER button. Them set temperature to 100-150°C (better to set temperature for actual needs) immediately and continue laminating.
3. **Almost before laminating finished:** When A4 paper is left with only 2-3 sheets, set the temperature to 80°C and press the CLOD button. Press the STOP button to finish laminating.
4. **Before laminating finished:** Laminating an additional paper (**any used thick paper is ok, and without this additional paper, the predeposited membrane may melted on the roller, which may cause damages to the laminator**). After this paper appeared on the back of the machine, press STOP button and finish laminating. Power off the laminator several minutes later.

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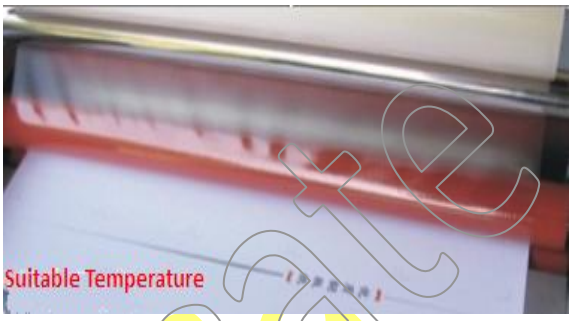
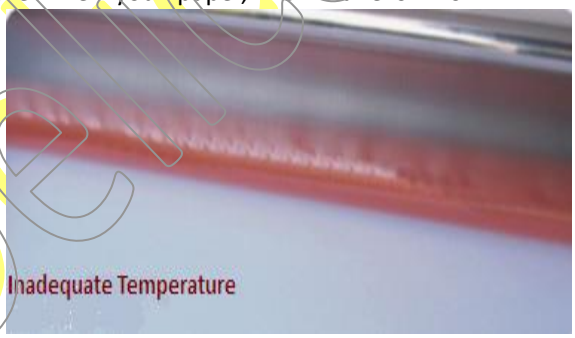
In the later future, we only need to preheating and laminating. It does not need to add membrane roll until the membrane is used up.

Laminating Temperature

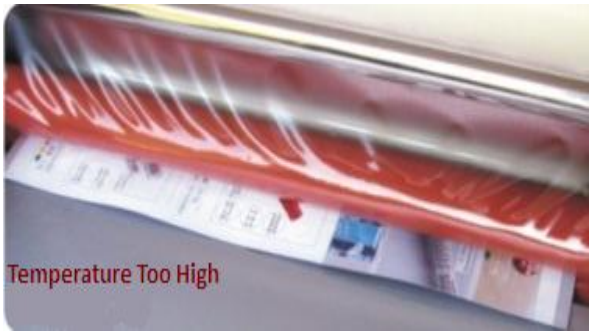
1. Why some paper effect is good and some is not good with bubbles inside after laminating?
   Answers: The reason why bubbles happen is that some exceptional papers are not suitable for laminating, and some are caused by inadequate temperature. The thickness of the paper, the quality and thickness of membrane, and work environment could all influence the laminating effect. Please retest your best laminating temperature when your paper, membrane or work environment changed.



2. Why the laminating effect is not that good while we followed the reference temperature provided?
   Answers: The reference temperature is a lab result. Different environment may cause different laminating temperature needs.



3. How to measure laminating temperature by yourself?
   Answers: Only glue roller in rotate status could we measure whether temperature is enough precisely. When the glue roller is running, the contact part of the predeposited membrane and the glue roller:



   A. Become transparent; it shows glue full dissolved. That's a suitable temperature with best laminating effect.
   B. Partially non-transparent or non-transparent totally; this shows inadequate temperature and the glue is not fully dissolved.
   C. Not only the contact part become transparent, but also it extend to other parts, and even the predeposited membrane is nearly dissolved. This is caused by high temperature.

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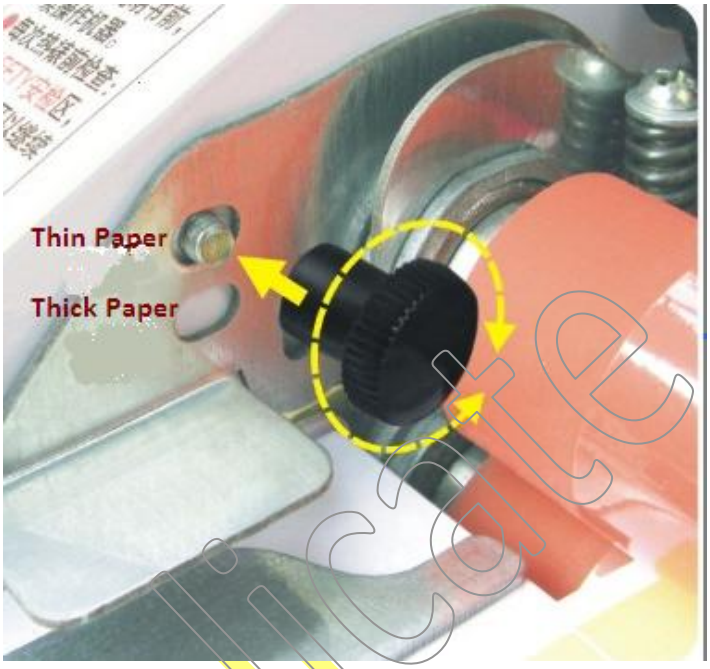
Clutch and Gears



There are two clutches on the two sides of the glue roller. Rotate the nut counterclockwise to loosen it. There are two holes indicate tow tap position. Put the clutch screw into the upper hole and the glue roller collected. The roller separated when the screw is put into the lower hole, and it is convenient to clean papers and dirt. Please put the clutch screw into the lower hole when the laminator is not used for a long period to avoid the glue roller deformation under pressure.

Thin Paper tap position is suitable for paper less than 350g.

Thick Paper tap position is suitable for paper over 350g or thickness of 2-4mm materials. And it could adjusted more thickness with the pressure screw.

Note: To adjust tap position and the clutch, the screws should be in the same position holes each side.

Wrinkle and Pressure Adjustment

There are two Philips head screws with spring on each side of the glue roller (picture 3 below), which is used to adjust pressure and balance the two side. Use a Philips screwdriver to rotate the screw clockwise and it will increase pressure on relevant side. Rotate counterclockwise to decrease pressure.

Our laminator pressure has been adjusted properly in the factory and could be used directly. However it is not ruled out of the possibility of lose of pressure balance caused by rough transportation. When the pressure is imbalanced, the membrane may have some tiny bubbles or wrinkles caused by inadequate pressure as the right picture shows. And pressure adjustment is needed.

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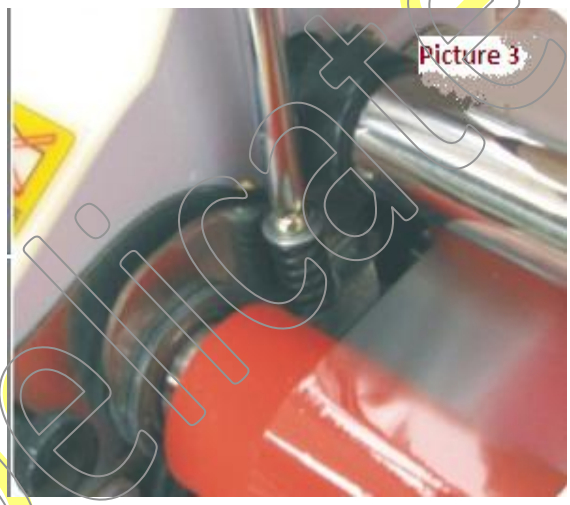
When wrinkles appear, you need to check the membrane on each side of the glue roller as the right picture shows. If of the two sides membrane is flabby, the temperature is too high and you need to decrease preheating or laminating temperature. If only one side membrane is flabby, this side glue roller pressure is inadequate and you need to add this side pressure or decrease pressure on the other side.

The pressure adjustment should follow the principle of tiny adjustment for several times. The membrane is not need to detached, but the temperature should adjust to 80°C. One circle adjustment each time (Picture 3). Laminate more papers to adjust pressure until the problem is solved.



Pressure adjustment is used for balance the pressure on the two sides of the glue roller. It is not just about pressure increase. Pressure decrease on the other side is more effect sometimes. The laminator may be damaged if the pressure is increase to the limit.

Tension Regulator

The laminator membrane tube pressure is set to default in the factory and customers can adjust the tension balance of membrane for actual needs.

The tension regulator is used to control the tension of the upper membrane or the lower membrane. Rotate the regulator clockwise to increase tension and counterclockwise to loosen tension.

If the paper fringe is upturned after laminating, you need to increase the lower tension. And if the paper fringe is downward, then increase the upper tension.

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Fuse Replacement

Our laminator has a spare fuse. Open the fuse box in the power outlet with a straight screwdriver to replace the fuse.

Laminating Functions

1. Real Waterproof
2. Keep away from oxygen, defer paper fade from oxygenation
3. Dirt-proof after laminating, paper surface can be cleaned
4. Prevent from scratches
5. Improve printed paper and photo quality
6. Writeable with certain membrane
7. Improve paper tenacity
8. Avoid malicious modification after contract or document laminating

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